TECHNICAL SPECIFICATION

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# Information security, cybersecurity and privacy protection — Requirements for the competence of IT security testing and evaluation laboratories —

## Part 2: Testing for ISO/IEC 19790

*Sécurité de l'information, cybersécurité et protection de la vie privée — Exigences relatives aux compétences des laboratoires d'essais et d'évaluation de la sécurité TI —*

*Partie 2: Essais pour l'ISO/IEC 19790*

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# Foreword

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 27, *Information security, cybersecurity and privacy protection*.

A list of all parts in the ISO/IEC 23532 series can be found on the ISO and IEC websites.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html and www.iec.ch/national-committees.

# Introduction

Laboratories performing testing for conformance to ISO/IEC 19790 and the test requirements in ISO/IEC 24759 may utilize and require conformance to ISO/IEC 17025:2017. ISO/IEC 17025:2017 gives generalized requirements for a broad range of testing and calibration laboratories to enable them to demonstrate that they operate competently and are able to generate valid results.

Laboratories that perform such validations have specific requirements for competence to ISO/IEC 19790 that will enable them to generate valid results.

By providing additional details and supplementary requirements to ISO/IEC 17025:2017 that are specific to information security testing and evaluation laboratories, this document will facilitate cooperation and better conformity and harmonization between laboratories and other bodies. This document may be used by countries and accreditation bodies as a set of requirements for lab assessments and accreditations.

To help implementers, this document is numbered identically to ISO/IEC 17025:2017. Supplementary requirements are presented as subclauses additional to ISO/IEC 17025:2017.

# Information security, cybersecurity and privacy protection — Requirements for the competence of IT security testing and evaluation laboratories —

## Part 2: Testing for ISO/IEC 19790

## 1 Scope

This document complements and supplements the procedures and general requirements found in ISO/IEC 17025:2017 for laboratories performing testing based on ISO/IEC 19790 and ISO/IEC 24759.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 17000, *Conformity assessment — Vocabulary and general principles*

ISO/IEC 17025:2017, *General requirements for the competence of testing and calibration laboratories*

ISO/IEC 19790, *Information technology — Security techniques — Security requirements for cryptographic modules*

ISO/IEC 19896-1, *IT security techniques — Competence requirements for information security testers and evaluators — Part 1: Introduction, concepts and general requirements*

ISO/IEC 19896-2, *IT security techniques — Competence requirements for information security testers and evaluators — Part 2: Knowledge, skills and effectiveness requirements for ISO/IEC 19790 testers*